

European Interdisciplinary Cybersecurity Conference – EICC 2023

Venue	Date	Conference email
University of Stavanger Kjølv Egeland's Hus Kristine Bonnevis vei 22 Stavanger Norway	14-15 June 2023	eicc@um.si

Conference Program¹

Wednesday, 14 June 2023

	Room I	Room II
9:00	Opening	
9:15	Keynote I	
10:15	Break	
	Main track I	
10:30	Towards detecting device fingerprinting on iOS with API function hooking <i>Kris Heid, Vincent Andrae, Jens Heider</i>	
10:50	CLOUDOSCOPE: Detecting Anti-Forensic Malware using Public Cloud Environments <i>Mordechai Guri</i>	
11:10	HTTP Cyberattacks Detection through Automatic Signature Generation in multi-site IoT Deployments <i>Agustín Walabonso Lara Romero, Juan Antonio Ternero Muñiz, Rafael Estepa Alonso, Antonio Estepa Alonso, Fernando Ruiz Robles, Jesús Díaz Verdejo</i>	
11:30	Break	
	Main track II	
11:45	New Tricks to Old Codes: Can AI Chatbots Replace Static Code Analysis Tools? <i>Omer Said Ozturk, Emre Ekmekcioglu, Orcun Cetin, Budi Arief, Julio Hernandez-Castro</i>	
12:05	Towards Detecting Anomalies in Log-Event Sequences with Deep Learning: Open Research Challenges <i>Patrick Himler, Max Landauer, Florian Skopik, Markus Wurzenberger</i>	
12:25	Robustness of Image-Based Malware Classification Models trained with Generative Adversarial Networks <i>Ciaran O Reilly, Stephen O Shaughnessy, Christina Thorpe</i>	
12:45	Lunch	
	Main track III	
13:45	Cyber Informedness: A New Metric using CVSS to Increase Trust in Intrusion Detection Systems <i>Robin Duraz, Julien Francq, David Espes, Sandrine Vatou</i>	

¹ We reserve the right to change the conference program. Last update: 23 May 2023

14:05	Analysing the Impact of Gender Classification on Age Estimation <i>Petra Grd, Ena Barčić, Igor Tomičić, Bogdan Okreša Đurić</i>	
14:25	Useful Cyber Threat Intelligence Relation Retrieval Using Transfer Learning <i>Chia-Mei Chen, Fang-Hsuan Hsu, Jenq-Neng Hwang</i>	
	Poster session	CNACYS special session
14:45	Older adults and tablet computers: Adoption and the role of perceived threat of cyber attacks <i>Anže Mihelič, Igor Bernik, Simon Vrhovec</i>	Exploratory and Explanation-Aware Network Intrusion Profiling using Subgroup Discovery and Complex Network Analysis <i>Martin Atzmueller, Sophia Sylvester, Rashed Kanawati</i>
15:05	Crypto-agile Design and Testbed for QKD-Networks <i>Johanna Henrich, Andreas Heinemann, Martin Stiernerling, Fabian Seidl</i>	RADAR: A TTP-based Extensible, Explainable, and Effective System for Network Traffic Analysis and Malware Detection <i>Yashovardhan Sharma, Simon Birnbach, Ivan Martinovic</i>
	A Deep Learning-based Malware Traffic Classifier for 5G Networks Employing Protocol-Agnostic and PCAP-to-Embeddings Techniques <i>Georgios Agrafiotis, Eftychia Makri, Antonios Lalas, Konstantinos Votis, Dimitrios Tzovaras, Nikolaos Tsampieris</i>	
	In Alice and Bob, I trust? <i>Allison Wylde</i>	
	Main track IV: Best paper session	
15:45	Mutistep Cyberattacks Detection using a Flexible Multilevel System for Alerts and Events Correlation <i>Elvira Castillo-Fernández, Jesús Díaz-Verdejo, Rafael Estepa Alonso, Antonio Estepa Alonso, Javier Muñoz Calle, Germán Mabinabeitia</i>	
16:10	An Evaluation of Information Flows in Digital Euro Transactions Using Contextual Integrity Theory <i>Frédéric Tronmier, Patrick Biker, Erik Baur, Sascha Löbner</i>	
16:35	DGA Detection Using Similarity-Preserving Bloom Encodings <i>Lasse Nitz, Avikarsha Mandal</i>	
17:00	Best paper award	

Thursday, 15 June 2023

	Room I	Room II
9:00	Keynote II	
10:00	Break	
	Main track V	
10:15	Investigating the Availability of Child Sexual Abuse Materials in Dark Web Markets: Evidence Gathered and Lessons Learned <i>Yichao Wang, Budi Arief, Virginia Franqueira, Anna Grace Coates, Caoilte Ó Ciardha</i>	
10:35	Digital safety alarms - Exploring the understandings of the cybersecurity practice in Norwegian municipalities	

	<i>Alvhild Skjelvik, Arnstein Vestad</i>	
10:55	Acceptance Factors and Obstacles for Cryptocurrency Adoption <i>Peter Hamm, Sebastian Pape, David Harborth</i>	
11:15	ViSDM: A Liquid Democracy based Visual Data Marketplace for Sovereign Crowdsourcing Data Collection <i>Venkata Satya Sai Ajay Daliparthi, Nurul Momen, Kurt Tutschku, Miguel De Prado</i>	
11:45	Break	
	Main track VI	
12:00	Exposed-mode of Wormhole Attack in Opportunistic Mobile Networks: Impact Study and Analysis <i>Sidra Aslam, Ala Altaweel, Ibrahim Kamel</i>	
12:20	A Framework for Advanced Persistent Threat Attribution using Zachman Ontology <i>Venkata Sai Charan Putrevu, Hrushikesh Chunduri, Mohan Anand Putrevu, Sandeep Shukla</i>	
12:40	Ontology-based Framework for Boundary Verification of Safety and Security Properties in Industrial Control Systems <i>Chibuzo Ukegbu, Ramesh Neupane, Hoda Mehrpouyan</i>	
13:00	Lunch	
	Main track VII	
14:00	Privacy Preserving Data Analysis with the Encode, Shuffle, Analyse Architecture in Vehicular Data Sharing <i>Sascha Löbner, Christian Gartner, Frédéric Tronnier</i>	
14:20	Effect of Power Conversion Efficiency of the RF Energy Harvester on the Security and Data Rate of the Self-Sustainable IoT Devices <i>Fariborz Lohrabi Pour, Dong Sam Ha</i>	
14:40	Improving Covert Channel Bandwidth by Variable-Length Exponent Re-Coding in Floating-Point Representations <i>Jörg Keller, Carina Heßeling</i>	
15:00	Break	
	DP4I special session	COSH special session
15:15	Digital Energy Platforms Considering Digital Privacy and Security by Design Principles <i>Ümit Cali, Marthe Fogstad Dynge, Ahmed Idries, Sambheet Mishra, Ivanko Dmytro, Naser Hashemipour, Murat Kuzlu</i>	Usability, Security, and Privacy Recommendations for Mobile Parental Control <i>Vahiny Gnanasekaran, Katrien De Moor</i>
15:35	Cybersecurity and Digital Privacy Aspects of V2X in the EV Charging Structure <i>Ümit Cali, Murat Kuzlu, Onur Elma, Osman Gazi Gucluturk, Ahmet Kilic, Ferhat Özgür Catak</i>	Cybercrime and Video Games: Exploring children's safety in the gaming environment <i>Matteo Curcio</i>
15:55	Cyber-physical Hardening of the Digital Water Infrastructure <i>Ümit Cali, Ferhat Özgür Catak, Zsolt György Balogh, Rita Ugarelli, Martin Gilje Jaatun</i>	Collaboration between parents and children to raise cybersecurity awareness <i>Farzana Quayyum</i>
16:15	Short Break	
16:20	DP4I panel	
17:00	Conference closing	